Spin meeting minutes, 2/21/2007

There was no presentation today. The discussion was focused on the coming AGS pp development. Given the funding situation, we should be able to do AGS pp development behind RHIC stores. The main goal is to test the high horizontal tune scheme. A short RHIC pp development will depends on success of RHIC Au-Au run and compete with a lower energy Au run. Thomas suggested to start the development in early April. Thomas will talk to Jim Alessi about the linac start up. Haixin asked if we can use the same fast ramp rate as of last year. Woody will follow on that. With the additional six quads added to the vertical string, Leif reported that the AGS optics control program runs fine and it can recognize the archives as long as they are loaded as desired tunes. Woody reminded that we need a fault study on the EBIS penetration with 200MeV protons before switch to lower energy for BLIP running. As we don't have analyzing power for energies other than 200MeV and already lost the capability to calibrate the p-Carbon polarimeter with p-deuteron polarimeter, we will stay with 200MeV for Booster injection. Anatoli is rewiring the HV and signal cables for the 200MeV polarimeter electronics at its current temporary location. Tony and Dave are working on the target moving part. Anatoli expected to finish the work before March 1st, when BLIP start running and the access to the polarimeter area is prohibited. Anatoli is also concerned about opening the target chamber to replace the C targets, since the local vacuum pump is broken. From past experience, we rarely lost targets at this low energy. It is likely we will not open the vacuum. Thomas also asked if the pp development can cope with NSRL running, especially the proton part. Haixin will ask Kip to see if NSRL can get proton beam from Tandem. Haixin reported that AGS narrow C targets for the CNI polarimeter are ready and we also have the Am radiation source. In next maintenance day, likely before the end of March, we will install the new targets and the source. The gearbox has been added to the vertical rotary motor to smooth the rotary motion. The motor drive of the E880 polarimeter is going to be upgraded to allow remote control in coming weeks. The whole target assembly is outside the ring for the test. Installation of the target assembly also requires vacuum bleed up. This is the first time we run cold snake behind RHIC heavy ion run. The store time could be shorter as Mei pointed out. In addition, the cold snake has to be off for heavy ion injection. We should be able to cope with all of these.

Haixin